Managed & Unmanaged Switches

TigerSwitch™ 1000

6-Port Gigabit 1000BASE-SX Managed Switch with 2 GBIC ports

Model Number: SMC8606SX

The TigerSwitch 1000 makes gigabit affordable by providing 6 1000BASE-SX ports, and 2 hot-swappable GBIC slots for fiber connectivity. Without rewiring your existing network, SMC8606SX brings gigabit connections for bandwidth starved workstations, workgroups, and servers. It is the ideal solution for networks looking for distance connection between workgroups or server farms.

SMC8606SX delivers non-blocking switching performance, with advance features like Quality of Service, VLAN support, MultiLink Trunking to provide maximum performance benefits while maintaining security and reducing network problems. Spanning Tree support, redundant power lower the total cost of ownership. SNMP, RMON and a full-featured Web based the TigerSwitch 1000 is further backed by a comprehensive limited lifetime warranty and SMC's award winning free technical support.

Overview

Features

- Easy migration- 6 1000BASE-SX SC ports
- Convenient Expansion – Each unit comes with 2 slots for GBICs for fiber connections and network expansion
- QoS expedites critical data via prioritizing and filtering
- MultiLink Trunking creates high-speed data paths to servers or other switches
- VLAN Support provides port VLANs and GVRP for auto-registration
- IGMP Snooping reduces multicast traffic for maximum performance
- Broadcast storm control allows a user-defined threshold to limit broadcast traffic

Benefits

- EliteView, SMC's full-features, Windows-based SNMP management software, included free
- Manage and configure the TigerSwitch 1000 from any Web-browser
- 4 group RMON support for detailed monitoring of network performance
- RS-232 port available for out-of-band direct or remote management
- Mirror port traffic from any port for easy troubleshooting
- Spanning Tree protocol creates resilient links for increased stability
- Optional redundant power unit provides maximum uptime

Compatibility

- IEEE802.3 Ethernet
- IEEE802.3u Fast Ethernet
- IEEE802.1D Spanning Tree Protocol and traffic priorities
- IEEE802.1Q VLAN
- IEEE802.1P priority tags
- IEEE802.3x full-duplex flow control
- IEEE802.3z Gigabit Ethernet

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SPECIFICATIONS

SMC8606SX

Ports
- 6 1000BASE-SX ports
- 2 GBIC slots for media expansion

Network Interface
- 1000BASE-SX,SC connectors
- Multimode fiber cable;62.5/125 or 50/125 microns

Buffer Architecture
- 2Mbps per 1000Mbps port

Aggregated bandwidth
- 16Gbps

Switching Database
- 8K MAC address entries

LEDs
- System (power, RPU, Diag.)
- Port (full duplex,activity)
- Link (speed, link,disable/partition)

Weight
- 10.14 Lbs (4.6Kg)

Size
- 17.37x 11.22 x 1.6 in

Temperature
- Operating:32 – 122F
- Storage:-40 – 158 F

Humidity
- Operating 5% to 95% (non-condensing)

AC Input
- 100 to 240V ,50-60 Hz

Power Supply
- Internal,auto-ranging transformer: 100 to 240VAC,50-60 Hz
- Redundant DC input

Power Consumption
- 70W Max.

Heat Dissipation
- 239 BTU/hr

Maximum Current
- 0.5A @ 110VAC,0.7 A @ 240VAC

MTBF
- 6 years (estimated)

Switch Features

Switch Features
- Spanning Tree Protocol
- Forwarding Mode
- Store-and-forward

Flow Control
- Full Duplex:IEEE802.3x
- Half Duplex:back pressure

VLAN Support
- Up to 256 groups; port-based or with 802.1Q
- VLAN tagging, GVRP* for automatic VLAN learning

Quality of Service
- Supports two levels of priority and weighted fair queueing
- Broadcast storm control
- Link Aggregation
- Port Mirroring

Management Features

In-Band Management
- Telnet, SLIP, Web-based HTTP, or SNMP manager

Out-of-Band Management
- RS-232 DB-9 console port

Software Loading
- TFTP in-band or Xmodem out-of-band

MIB Support
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 1643),RMON MIB (RFC 1757), SMC's private MIB

RMON Support
- Groups 1,2,3,9 (Statistics, History, Alarm, Event)

Standards
- IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet,
- IEEE802.1D Spanning Tree Protocol and traffic priorities,
- IEEE802.1Q VLAN
- IEEE802.1P priority tags
- IEEE802.3x full-duplex flow control
- IEEE802.3z Gigabit Ethernet
- SNMP (RFC 1157),RMON (RFC 1757),ARP (RFC826), IGMP (RFC 1112),MIB II (RFC 1213), Ethernet-like MIB (RFC 1643), Bridge MIB (RFC 1493)

Compliances
- CE Mark

Emissions
- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- VCCI A
- C-Tick – AS/NZS 3548 (1995) Class A Immunity
- IEC 1000 – 4 –2/3/4/6

Safety
- CSA/NRTL (CSA22.2.2950 & UL 1950),EN60950 (TUV/GS)

Warranty
- Limited Lifetime

Product	Description
SMC8606SX	6-port Gigabit 1000BASE-SX Managed switch with GBIC Uplinks (must purchase GBIC separately)
SMCBGSSCX1	1-Port multi-mode 1000BASE-SX 850nm GBIC transceiver
SMCBGLSCX1	1-Port single-mode 1000BASE-LX 1310nm GBIC transceiver
SMCRPU150W	Redundant Power Supply

*To be available in future firmware release